SOUNDINGS IN FEET

12402

UNITED STATES - EAST COAST
NEW YORK

NEW YORK LOWER BAY

NORTHERN PART

Mercator Projection
Scale 1:15,000 at Lat. 40°34'

North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FEET
AT MEAN LOWER LOW WATER

TIDAL INFORMATION

	Height referred to datum of soundings (ML LW)			
	Mean Higher High Water	Mean High Water	Mean Low Water	Extreme Low Water
Norton Point, Gravesend Bay (40°35'N/74°00'W)	feet 5.2	feet 4.5	feet 0.2	feet -3.0
Fort Hamilton (40°37'N/74°02'W) (ABI)	5.2	4.9	0.2	-3.6

For Symbols and Abbreviations see Chart No. 1

NOTE A
Navigation regulations are published in Chapter 2, U.S. Coast Pilot 2. Additions or revisions to Chapter 2 are published in the Notices to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 1st Coast Guard District in Boston, MA., or at the Office of the District Engineer, Corps of Engineers in New York, N.Y.
Refer to charted regulation section numbers.

NOTE C
VESSEL TRAFFIC SERVICE
The New York Vessel Traffic Service (VTS) is a voluntary information gathering, processing, and disseminating system designed to provide participating vessels timely information of other vessel movements and conditions which may affect vessel traffic safety. The VTS is primarily intended to serve vessels of 300 or more gross tons or commercial vessels, but any may participate. Vessels wishing to participate should follow the procedures described in the VTS Operating Manual. Copies of the manual may be obtained by writing to:
Commanding Officer
Vessel Traffic Service
Governors Island
Bldg. 400, Section N
New York, N.Y. 10004

WARNING
The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

ANCHORAGE AREA
110.155 (See note A)
Limits and numbers of anchorage areas shown in magenta

(24) (25) (27) (28) GENERAL ANCHORAGES

F 2515
F 2556
STATEN ISLAND LT

HORIZONTAL DATUM
The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), and for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 0.378" Northward and 1.494" Eastward to agree with this chart.

RADAR REFLECTORS
Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

POLLUTION REPORTS
Report oil spills of oil and hazardous substances to the National Response Center via 800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

CAUTION
Temporary changes or defects in aids to navigation are not indicated on this chart. See Notice to Mariners.
During some winter months or when endangered by ice, certain aids to navigation are replaced by other types or removed. For details see U.S. Coast Guard Light List.

CAUTION
Mariners are warned to stay clear of the protective riprap surrounding navigational light structures shown thus:

NOAA VHF-FM WEATHER BROADCASTS
The National Weather Service station listed below provides continuous marine weather broadcasts. The range of reception is variable, but for most stations is usually 20 to 40 miles from the antenna site.
New York, N.Y. KWO-35 162.55 MHz

CAUTION
Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

ARTICULATED AIDS
An articulated aid to navigation consists of a pipe structure that oscillates around a universal coupling connected to a anchor. The structure is kept upright by the buoyancy of a submerged floatation chamber. It is designed primarily to mark narrow channels in depths of up to 60 feet. All articulated aids are labelled "Art".

RACING BUOYS
Racing buoys within the limits of this chart are not shown hereon. Information may be obtained from the U.S. Coast Guard District Offices as racing and other privately maintained buoys are not all listed in the U.S. Coast Guard Light List.

HEIGHTS
Heights in feet above Mean High Water.

AUTHORITIES
Hydrography and topography by the National Ocean Service, Charting and Geodetic Services with additional data from the Corps of Engineers, Defense Mapping Agency, and U.S. Coast Guard.

SUPPLEMENTAL INFORMATION
Consult U.S. Coast Pilot 2 for important supplemental information.

ACKNOWLEDGMENT
The National Ocean Service acknowledges the exceptional cooperation received from members of the United States Power Squadron, District 4, in providing essential information used for revising this chart.
Also acknowledged is assistance provided by the Maritime Authority for the port of New York/New Jersey.

AIDS TO NAVIGATION
Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

SMALL CRAFT WARNINGS
During the boating season, small craft warnings will be displayed, from sunrise to sunset, on New York City Police Patrol Boats underway in the Hudson and East Rivers, and New York Harbor.

CAUTION
Only marine radiobeacons have been calibrated for surface use. Limitations on the use of certain other radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and Defense Mapping Agency Publication 117.

Radio direction-finder bearings to commercial broadcasting stations are subject to error and should be used with caution.
Station positions are shown thus:
(A)Accurate location (a)Approximate location

FISH TRAP AREAS
Boundary lines of the fish trap areas are shown thus: ——— -·-·- ———
CAUTION:Mariners are warned that numerous stakes and fishing structures, some submerged,may exist in the fish trap areas. Some structures are not charted unless known to be permanent.

PLANE COORDINATE GRID
(based on NAD 1927)
The New York State Grid, Long Island Zone, is indicated by dashed ticks at 5,000 foot intervals shown thus:
The New Jersey State Grid, is indicated by solid ticks at 5,000 foot intervals shown thus:
The last three digits are omitted.

NEW YORK HARBOR-LOWER BAY CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 1987 AND SURVEYS TO MAY 1987

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW) LEFT OUTER QUARTER	LEFT INNER QUARTER	RIGHT INNER QUARTER	RIGHT OUTER QUARTER	DATE OF SURVEY	PROJECT DIMENSIONS WIDTH (FEET)	DEPTH (MEAN LOWER LOW WATER) (FEET)	DEPTH (MLLW) (FEET)
AMBROSE CHANNEL	41.0	40.4	40.0	39.3	10-MAR-87	2000	8.0	45
CHAPEL HILL SOUTH CHANNEL	39.4	39.4	39.1	39.1	9-MAR-87	1000	2.7	30
NORTH CHANNEL	38.1	39.0	39.3	39.6	9-MAR-87	1000	1.8	30

NOTE: CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION
PREPARED BY DISMOUNTING HEIGHTS METHODS

NOTE B
A fog-swing maintenance platform when in operation, reduces the vertical clearances by 15 feet.

NOTE D
Numerous uncharted piling may exist throughout Great Kills Harbor.

CONTINUED ON CHART 12327 & 12334

CONTINUED ON CHARTS 12327 & 12331

JOINS CHART 12401

SCALE 1:15,000
Nautical Miles
Yards
Meters

LOGARITHMIC SPEED SCALE
1 2 3 4 5 6 7 8 9 10 15 20 25 30 40 50 60
To find SPEED, place one point of dividers on distance run (in any unit) and the other on minutes run. Without changing divider spread, place right point on 60 and left point will then indicate speed in units per hour. Example: with 4.0 nautical miles run in 15 minutes, the speed is 16.0 knots

This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, additions, or comments for improving this chart to the Director, Charting and Geodetic Services (N/CG322), National Ocean Service, NOAA, Rockville, Maryland 20852.

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE

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CAUTION
This chart has been corrected from the Notice to Mariners published weekly by the Defense Mapping Agency Hydrographic/Topographic Center, and the Local Notice to Mariners issued periodically by each U.S. Coast Guard district to the date shown in the lower left-hand corner.

C55.48/7: 12402/990

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04' 03' CONTINUED ON CHART 12327 & 12334 02' 01' 74° 59' 58' 73° 57'

SCALE 1:5,000
Nautical Miles
Yards
Meters

Fort Wadsworth
Fort Hamilton
Dyker Beach Park
Bath Beach
Bensonhurst
Gravesend
Sheepshead Bay
Brighton Beach
Manhattan Beach
Manhattan Beach Park
Coney Island
Grasmere
Cameron Lake
Arrochar
South Beach
Norton Point
Hoffman
Swinburne
Rockaway Inlet
Breezy Pt.

THE NARROWS
GRAVESEND BAY
LOWER BAY
SWASH CHANNEL
CONEY ISLAND CHANNEL
AMBROSE CHANNEL
(see tabulation)
CHAPEL HILL NORTH CHANNEL
(see tabulation)
CHAPEL HILL SOUTH CHANNEL
(see tabulation)
EAST BANK
ROMER SHOAL
FOURTEEN FOOT CHANNEL

SWASH CHANNEL RANGE 300°00' TRUE
AMBROSE CHANNEL RANGE 298°58' TRUE

NOTE B
A traveling maintenance platform when in operation, reduces the vertical clearances by 15 feet.

JOINS CHART 12401

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE

20th Anniversary 1970s-1990s
National Oceanic and Atmospheric Administration
"Serving The Nation"
John A. Knauss, Administrator

SOUNDINGS IN FEET

FATHOMS 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
FEET 6 12 18 24 30 36 42 48 54 60 66 72 78 84 90 96 102
METERS 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

New York Lower Bay - Northern Part
SOUNDINGS IN FEET - SCALE 1:15,000

12402

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